

a pair of perforating cylinders defining a perforation nip therebetween for passage of the material webs through said perforating nip, one of said perforating cylinders being adjustable in relation to said perforating nip relative to the other of said perforating cylinders;

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perforating tools accommodated on said perforating cylinders and capable of producing perforations on copies in an exactly correct position with respect to cross-folds formed in the copies, the perforation position being adjustable during machine operation;

perforating strips disposed on said perforating cylinders, said perforating tools being cooperatively related with respective one of said perforating strips for producing transverse or cross-perforations and being adjustable in the correct position relative to the cross-folds;

at least one perforating bar disposed coaxially with a respective one of said perforating cylinders, said perforating tools and said perforating strips being accommodated on said at least one perforating bar; and

an adjusting unit for adjusting said at least one perforating bar relative to a periphery of said respective one of said perforating cylinders.

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Claim 2 (amended). The perforating device according to claim 1, wherein said at least one perforating bar is mounted on a cylinder shaft extending through said respective one of said perforating cylinders.

Claim 3 (amended). The perforating device according to claim 1, wherein one of said at least one perforating bar is adjustable in a direction opposite to a direction of rotation of said respective one of said perforating cylinders.

Claim 4 (amended). The perforating device according to claim 1, wherein one of said perforating tools and one of said perforating strips are accommodated stationarily on said periphery of said respective one of said perforating cylinders.

Claim 5 (amended). The perforating device according to claim 1, wherein one of said perforating tools is accommodated on one of said at least one perforating bar on one perforating cylinder, and is cooperatively related with one of said perforating strips accommodated on the other perforating cylinder located opposite said one perforating cylinder.

Claim 6 (amended). The perforating device according to claim 1, wherein one of said perforating tools used for a delta-

folding mode is accommodated on one of said at least one perforating bar on one perforating cylinder, and is cooperatively related with one of said perforating strips accommodated on the other perforating cylinder located opposite said one perforating cylinder.

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Claim 7(amended). The perforating device according to claim 5, wherein one of said perforating tools is accommodated on one of said at least one perforating bar on said other perforating cylinder, and is cooperatively related with one of said perforating strips accommodated stationarily on said periphery on said one perforating cylinder located opposite said other perforating cylinder.

Claim 9(amended). The perforating device according to claim 1, wherein said perforating cylinders have respective cylinder shafts, the perforating device includes mounting supports on said cylinder shafts, said perforating bars are accommodated in said mounting supports.

Claim 10(amended). The perforating device according to claim 1, wherein said perforating cylinders have respective cylinder shafts and transmission elements on said cylinder shafts, said transmission elements to be acted upon by said adjusting unit.

Claim 13(amended). The perforating device according to claim 12, wherein said at least one force transmission point is constructed as a toothing.

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Claim 14(amended). The perforating device according to claim 10, including, between said transmission elements of said perforating cylinders, a compensating device for permitting eccentric adjustment of one of said perforating cylinders relative to said perforating nip.

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Claim 15(amended). The perforating device according to claim 1, wherein said pair of perforating cylinders include a stationarily mounted perforating cylinder and an adjustable perforating cylinder, the perforating device includes a drive and a transmission element for said adjustable perforating cylinder, and an articulated connection between said drive and said transmission element.

Claim 16(amended) A folder having a device for perforating material webs, the device comprising:

a pair of perforating cylinders defining a perforation nip therebetween for passage of the material webs through said perforating nip, one of said perforating cylinders being adjustable in relation to said perforating nip relative to the other of said perforating cylinders;

perforating tools accommodated on said perforating cylinders and capable of producing perforations on copies in an exactly correct position with respect to cross-folds formed in the copies, the perforation position being adjustable during machine operation;

perforating strips disposed on said perforating cylinders, said perforating tools being cooperatively related with respective one of said perforating strips for producing transverse or cross-perforations and being adjustable in the correct position relative to the cross-folds;

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at least one perforating bar disposed coaxially with a respective one of said perforating cylinders, said perforating tools and said perforating strips being accommodated on said at least one perforating bar; and

an adjusting unit for adjusting said at least one perforating bar relative to a periphery of said respective one of said perforating cylinders.

Claim 17(amended). A pin-less folder having a device for perforating material webs, the device comprising:

a pair of perforating cylinders defining a perforation nip therebetween for passage of the material webs through said

perforating nip, one of said perforating cylinders being adjustable in relation to said perforating nip relative to the other of said perforating cylinders;

perforating tools accommodated on said perforating cylinders and capable of producing perforations on copies in an exactly correct position with respect to cross-folds formed in the copies, the perforation position being adjustable during machine operation;

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perforating strips disposed on said perforating cylinders, said perforating tools being cooperatively related with respective one of said perforating strips for producing transverse or cross-perforations and being adjustable in the correct position relative to the cross-folds;

at least one perforating bar disposed coaxially with a respective one of said perforating cylinders, said perforating tools and said perforating strips being accommodated on said at least one perforating bar; and

an adjusting unit for adjusting said at least one perforating bar relative to a periphery of said respective one of said perforating cylinders.